INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/15836

A CLAS	OUTCATION OF CUR IT OF MATTER				
Int.	SIFICATION OF SUBJECT MATTER .C1 ⁷ A61K38/17, 31/7088, 39/39	95, 45/00, 48/00, A61P13	/12		
	According to International Patent Classification (IPC) or to both national classification and IPC				
	OS SEARCHED				
Minimum d Int.	documentation searched (classification system followed. C1 A61K38/17, 31/7088, 39/39	d by classification symbols) 15, 45/00, 48/00, A61P13	/12		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Eléctronic o MEDI	data base consulted during the international search (nat LINE, CAPLUS, EMBASE, BIOSIS (S	me of data base and, where practicable, sea TN), JMEDPLUS (JOIS)	rch terms used)		
·	MENTS CONSIDERED TO BE RELEVANT				
Calegory*	Citation of document, with indication, where a		Relevant to claim No.		
Х	WO 02/077642 A1 (Nippon Shir 02 October, 2002 (02.10.02), Full text; Figs. 1 to 5 (Family: none)		1		
х	Inoue CN. et al., 'Lysophosp mesangial cells: implication diseases.', Clin.Sci.(Lond). 431-6.	s for renal			
X	Katsuma S. et al., 'Genomic model of immunoglobulin A ne an enhanced PDGF-EDG5 cascad J.2001; 1(3):211-7.	phropathy reveals	1		
Post					
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			
19 M	March, 2004 (19.03.04)	Date of mailing of the international search report 06 April, 2004 (06.04.04)			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/15836.

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	Hanafusa N. et al., 'Sphingosine l-phosphate stimulates rat mesangial cell proliferation from outside the cells.', Nephrol.Dial.Transplant. 2002 April; 17(4):580-6.	1
А	EP 1195165 A1 (ONO PHARMACEUTICAL CO.), 10 April, 2002 (10.04.02), Full text & WO 01/03739 A1	
A	WO 99/33972 Al (ALLELIX BIOPHARMA), 08 July, 1999 (08.07.99), Full text & JP 2002-500008 A	1 .
P,X	JP 2002-360118 A (Nippon Shinyaku Co., Ltd.), 17 December, 2002 (17.12.02), Full text (Family: none)	1 .
E,A	WO 03/051876 Al (Japan Tobacco Inc.), 26 June, 2003 (26.06.03), (Family: none)	1
E,A	WO 2004/002430 Al (ONO PHARMACEUTICAL CO.), 08 January, 2004 (08.01.04), (Family: none)	1
E,A	WO 03/099765 Al (ONO PHARMACEUTICAL CO.), 08 December, 2003 (08.12.03), (Family: none)	1
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Form PCT/ISA/210 (continuation of second sheet) (July 1998)

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Box I Observations where certain claims were found unsearchable (Co	
This international search report has not been established in respect of cenair	n claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 20	
because they relate to subject matter not required to be searched by Claim 20 pertains to methods for treatment thus relates to a subject matter which this is not required, under the provisions of AR Rule 39.1(iv) of the Regulations under the 2. Claims Nos.:	t of the human body by therapy and International Searching Authority rticle 17(2)(a)(i) of the PCT and
because they relate to parts of the international application that do extent that no meaningful international search can be carried out, s	
3. Claims Nos.:	
because they are dependent claims and are not drafted in accordan	ce with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation	of item 3 of first sheet)
This International Searching Authority found multiple inventions in this inte (See extra sheet.)	ernational application, as follows:
(See exert sheet.)	
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As all required additional search fees were timely paid by the applications.	icant, this international search report covers all searchable
As all searchable claims could be searched without effort justifying of any additional fee.	g an additional fee, this Authority did not invite payment
As only some of the required additional search fees were timely pa only those claims for which fees were paid, specifically claims No:	
4. X No required additional search fees were timely paid by the application	nt. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is coven The part using EDG-5 receptor in claim	ed by claims Nos.:
Remark on Protest The additional search fees were accompanied	by the applicant's protest.
No protest accompanied the payment of addi	tional search fees.

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. K.)

Continuation of Box No. II of continuation of first sheet(1)

Claims 1 to 19 and 21

It is recognized that the following 18 groups of inventions are described in the above claims.

- (1) The part using EDG-2 receptor in claim 1.
- (2) The part using EDG-3 receptor in claim 1.
- (3) The part using EDG-5 receptor in claim 1.
- (4) The parts relating to EDG-2 receptor in claims 2 and 3.
- (5) The parts relating to EDG-3 receptor in claims 2 and 3.
- (6) The parts relating to EDG-5 receptor in claims 2 and 3.
- (7) The parts relating to EDG-2 receptor in claims 4 and 5.
- (8) The parts relating to EDG-3 receptor in claims 4 and 5.
- (9) The parts relating to EDG-5 receptor in claims 4 and 5.
- (10) The parts relating to EDG-2 receptor in claims 6 and 7.
- (11) The parts relating to EDG-3 receptor in claims 6 and 7.
- (12) The parts relating to EDG-5 receptor in claims 6 and 7.(13) The parts relating to (1) in claim 21 in claims 8, 9 and 14.
- (14) The parts relating to (2) in claim 21 in claims 10, 11 and 15.
- (15) The parts relating to (3) in claim 21 in claims 12, 13 and 16.
- (16) The parts relating to EDG-2 receptor in claims 17 to 19 and the parts relating to (4) EDG-2 receptor in claim 21.
- (17) The parts relating to EDG-3 receptor in claims 17 to 19 and the parts relating to (4) EDG-3 receptor in claim 21.
- (18) The parts relating to EDG-5 receptor in claims 17 to 19 and the parts relating to (4) EDG-5 receptor in claim 21.

(1) to (3)

The invention according to claim 1 relates to a preventive/remedy for diabetic nephropathy, chronic renal failure and so on containing EDG-2 receptor, EDG-3 receptor or EDG-5 receptor or its peptide fragment or its salt.

As stated in the description of the present application (p. 12, 1.27 to p.13, 1. 12), the above-described receptors are each publicly known. Moreover, it seems that these receptors do not always have a property or an activity in common in the cause of using for medicinal purposes, referring to WO 02/077642 Al, etc. Such being the case, it does not appear that there is any technical relationship involving "a special technical feature" among (1) to (3) and thus these groups of inventions do not comply with the requirement of unity of invention.

(4) to (12)

"An amino acid sequence, its peptide fragment or its salt" (claim 1), "a polynucleotide" (claims 2 and 3), "an antibody" (claims 4 and 5) and "a polynucleotide having a complementary base sequence or a part thereof" (claims 6 and 7) are different substances from each other. Thus, it does not appear that there is any technical relationship involving "a special technical feature" among preventives/diagnostics or remedies comprising the same and thus these groups of inventions do not comply with the requirement of unity of invention.

(13) to (18)

Considering that WO 02/077642 Al has been publicly known, it does not appear that there is any technical relationship involving "a special technical feature" among (1) to (3) and (13) to (18) and thus these groups of inventions do not comply with the requirement of unity of invention.